

Docket No.: 8733.824.00-US  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Patent Application of:  
Do-Sung KIM et al.

Application No.: TBA

Group Art Unit: TBA

Filed: September 10, 2003

Examiner: TBA

For: LIQUID CRYSTAL DISPLAY DEVICE  
AND A MANUFACTURING METHOD FOR  
THE SAME

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Customer No.: 30827

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned.

A copy of each reference on PTO/SB/08 is attached.

A summary/abstract translation of the non-English language references is enclosed.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an

admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Commissioner is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0911, under Order No. 8733.824.00.

Dated: September 10, 2003

Respectfully submitted,

By 

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	TBA
				Filing Date	September 10, 2003
				First Named Inventor	Do-Sung KIM et al.
				Art Unit	TBA
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	8733.824.00

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	4,691,995	9/8/1987	Yamazaki et al.	
	AB	5,309,264	5/3/1994	Lien et al.	
	AC	5,608,556	3/4/1997	Koma	
	AD	5,666,179	9/9/1997	Koma	
	AE	6,100,953	8/8/2000	Kim et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA	EP 884,626 A2		12/16/1998	Fujitsu Limited	
	BB	WO 00/08521		2/17/2000	Victor A. Konovalov et al	
	BC	JP 06-235925 (with Abstract)		8/23/1994	Matsushita Electric Ind Co Ltd	
	BD	JP 08-101395 (with Abstract)		4/16/1996	Matsushita Electric Ind Co Ltd	
	BE	JP 09-061829 (with Abstract)		3/7/1997	Matsushita Electric Ind Co Ltd	
	BF	JP 10-177178 (with Abstract)		6/3/1998	Matsushita Electric Inc Co Ltd	
	BG	JP 10-333157 (with Abstract)		12/18/1998	Matsushita Electric Inc Co Ltd	
	BH	JP 10-333159 (with Abstract)		12/18/1998	Matsushita Electric Inc Co Ltd	
	BI	JP 10-133438 (with Abstract)		5/21/1999	Matsushita Electric Inc Co Ltd	
	BJ	JP 11-142864 (with Abstract)		5/28/1999	Matsushita Electric Inc Co Ltd	
	BK	JP 11-248930 (with Abstract)		9/17/1999	Matsushita Electric Inc Co Ltd	
	BL	JP 11-326922 (with Abstract)		11/26/1999	Matsushita Electric Inc Co Ltd	
	BM					

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See attached Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Y. Tanaka et al.; "Late-News Paper: A New Design to Improve Performance and Simplify the Manufacturing Process of High-Quality MVA TFT-LCD Panels"; SID 99 DIGEST; Pages 206-209	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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